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USPT	L3 and ethylene and methyl-\$6acrylate	7	<u>L4</u>
USPT	(cyclohex\$4methyl acrylate) or (cyclohex\$4 methyl acryate) or (cyclohex\$4methylacrylate)	12	<u>L3</u>
USPT	"EMCM"	1	<u>L2</u>
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File: DWPI

Mar 12, 1996

DERWENT-ACC-NO: 1996-159733

DERWENT-WEEK: 199616

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TITLE: Cycloaliphatic polyester and acrylic polymer two-phase blend - useful for visual clarity, useful as thermoplastic moulding compsns. partic. in applications requiring tough weather resistant material

INVENTOR: SCOTT, C E

PRIORITY-DATA: 1994US-0336131 (October 31, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5498668 A	March 12, 1996		007	C08L067/02
JP 08208935 A	August 13, 1996		009	C08L033/06

INT-CL (IPC): C08L 33/06; C08L 67/02

ABSTRACTED-PUB-NO: US 5498668A

BASIC-ABSTRACT:

A 2-phase blend comprising:

(A) 99-1 wt.% cycloaliphatic polyester or copolyester; and

(B) 1-99 wt.% acrylic polymer or copolymer;

(A) and (B) being of the following combinations:

(1) (A) (i) a polyester comprising 1,4-cyclohexanedicarboxylic acid, 90-50 mole% 2,2,4,4-tetramethyl-1,3-cyclobutanediol and 10-50 mole% 1,4-cyclohexanedimethanol;

(ii) a polyester comprising 1,4-cyclohexanedicarboxylic acid and neopentyl glycol or ethylene glycol; of

(iii) a polyester comprising 1,4-cyclohexanedicarboxylic acid, 40-60 mole%, 6-hexanediol and 60-40 mole% 1,8-octanediol; and

(B) poly(methyl methacrylate);

(2) (A) a polyester comprising 1,4-cyclohexanedicarboxylic acid, 40-1 mole% 2,2,4,4-tetramethyl-1,3-cyclobutanediol and 60-99 mole% 1,4-cyclohexanedimethanol; and

(B) poly(cyclohexyl methacrylate); and

(3) (A) a polyester comprising 40-60 mole% trans-1,4-cyclohexanedicarboxylic acid, 60-40 mole% cis-1,4-cyclohexanedicarboxylic acid and 2,2,4,4-tetramethyl-1,3-cyclobutanediol; and

(B) (i) poly(methyl methacrylate);

(ii) poly(methyl methacrylate) and methyl acrylate;

(iii) 65-85 mole% methyl acrylate and 35-15 mole% cyclohexyl methacrylate; of

(iv) 7-90 mole% butyl acrylate and 30-10 mole% styrene; wherein an article prepd. from the blend is visually clear having diffuse transmittance value 40% or greater (ASTM D1003).

Also claimed is a thermoplastic moulding compsn. comprising the above blend.

USE - The blends are useful as thermoplastic moulding compsns. (claimed), partic. in applications requiring tough weather resistant material.

ADVANTAGE - The blends are visually clear (claimed).

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DWPI	(cyclohex\$4methyl acryl\$3) or (cyclohex\$4 methyl acryl\$3) or (cyclohex\$4methylacryl\$3)	3	L1